

Amendments To The Claims:

1. (Currently Amended) A dilatation balloon for use in combination with a catheter device, said balloon having waist portions, cone portions and a body portion, said balloon formed of a first polymeric composition forming a first inner layer, said balloon having a second outer layer formed on at least a portion of said first layer of said balloon, said second layer comprising a second polymeric composition which is crosslinked to form a compression region on at least a portion of said balloon, said second polymer composition is crosslinked on said waist portions, said cone portions, or both, and said second polymer composition on said body portion is uncrosslinked.

2-4. (Canceled)

5. (Original) The dilatation balloon of claim 1 further comprising a tie layer between said first layer and said second layer.

6. (Original) The dilatation balloon of claim 1 wherein said first polymeric composition comprises at least one member selected from the group consisting of polyolefins, polyesters, polyethers, polyamides, polyketones, polyvinyl chlorides, polyphenylene sulfides, polyurethanes, copolymers thereof and mixtures thereof.

7. (Original) The dilatation balloon of claim 1 wherein said first layer comprises at least one member selected from the group consisting of polyether block amides, polyethylene terephthalate, polybutylene terephthalate, polyester-polyether block copolymers, and mixtures thereof.

8. (Original) The dilatation balloon of claim 1 said second polymeric composition comprising at least one member selected from the group of polyolefins.

9. (Previously Presented) The dilatation balloon of claim 1 wherein said first polymeric composition comprises a polyether block amide and said second polymeric composition comprises polyethylene.

10. (Original) The dilatation balloon of claim 6 further having a tie layer, said tie layer comprising polyethylene modified with at least one member selected from the group consisting of maleic anhydride, epoxies, oxazolines, carbodiimides, isocyanates, and mixtures thereof.
11. (Previously Presented) The dilatation balloon of claim 1 wherein said balloon is further secured to a catheter shaft at said waist portions of said balloon.
12. (Original) The dilatation balloon of claim 11 wherein said second layer is removed after said balloon is secured to said catheter shaft.
13. (Original) The dilatation balloon of claim 11 further comprising a tie layer between said balloon and said catheter shaft.
14. (Original) The dilatation balloon of claim 13 wherein said tie layer further comprises a crosslinking inhibitor.
15. (Original) The dilatation balloon of claim 14 wherein said crosslinking inhibitor is a free radical scavenger.
16. (Original) The dilatation balloon of claim 13 wherein said tie layer is formed from a polymeric composition having a lower melting temperature than said first polymeric composition.
17. (Currently Amended) A dilatation balloon having first and second waist portions, first and second cone portions and a body portion, said dilatation balloon formed from a first polymeric composition that forms a first inner layer, said dilatation balloon further comprising a second outer layer on at least one of said first and second cone portions of said balloon formed from a second composition which is crosslinked to form a compression region, the body portion of the balloon is uncrosslinked.
- 18-55. (Canceled)